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To: Examiner Tat
Fax Number: +1 (703) 8729306

From: Sara Chang
Fax Number: (310) 785-9558
Business Phone: (310) 785-0140
Home Phone:

Pages: 10
Date/Time: 9/23/2004 11:54:17 AM
Subject: Unsigned reference on 1449 for SN 10/066,187

To Examiner Tat,

Attached is the 1449 with an unsigned reference for SN 10/066,187. Please review, sign it, and return to us. A courtesy copy has also been sent to your desktop fax.

Best regards,
Mani Adeli
310-785-0140 ext. 301

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Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Street 1 of 9

Application Number: 10/066,157
 Filing Date: 10/31/2002
 First Named Inventor: Steven Taig et al.
 Group Art Unit: 2825
 Examiner Name: Tai, B.
 Attorney/Doctel Number: SPLX/P0133

U.S. PATENT APPLICATIONS

Examiner's Initials	Cite Ref.	U.S. Patent Application Serial Number	Attorney Serial Number	Name of Patent Applicant of Filed Document	Date of Filing MM/DD/YYYY	Related Application Data if any
	1.	10/066,060	SPLX.P0072	Steven Taig	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	2.	10/066,160	SPLX.P0073	Steven Taig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	3.	10/066,065	SPLX.P0074	Steven Taig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	4.	10/066,047	SPLX.P0076	Steven Taig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	5.	10/061,641	SPLX.P0079	Steven Taig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	6.	10/060,094	SPLX.P0080	Steven Taig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	7.	10/070,121	SPLX.P0081	Steven Taig et al.	02-12-2002	Application with similar, but not identical, specification and drawing as the present application.
	8.	10/062,985	SPLX.P0105	Steven Taig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	9.	10/066,102	SPLX.P0106	Steven Taig	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	10.	10/285,584	CDN.P0037	Steven Taig	10-31-2002	
	11.	10/335,687	CDN.P0038	Steven Taig et al.	12-31-2002	
	12.	10/395,239	CDN.P0039	Steven Taig et al.	12-31-2002	

Examiner
Signature

Date
Considered

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Substitute for form 1449A/PTO				Application Number	10/066,107
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/31/2002
				First Named Inventor	Steven Teig et al.
				Group Art Unit	2825
				Examiner Name	Tat. B.
Sheet	2	of	9	Attorney Docket Number	SFLX: F0133
U.S. PATENT APPLICATIONS					
13.	10:335,005	CON: P0040	Steven Teig et al.	12:31-2002	

FOREIGN PATENT DOCUMENTS							
Examiner's Initials	Check Mark	Foreign Patent Document		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Good Document	Pages, Columns, Lines, Which Followed Passages or Referred Figures Appear	Remarks
		Office	Number				
	14.	JP	11-298580	10-29-1999	Matsumoto et al.	with English translation of Abstract.	
	15.	JP	2000-082743	03-21-2000	Igarashi et al.	With Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	16.	JP	64-15947	01-19-1986	Ouchi	with English translation of Abstract.	
	17.	JP	03-173471	07-26-1991	Tawada et al.	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	18.	JP	04-000677	01-03-1992	Fujiwara et al.	with English translation of Abstract.	
	19.	JP	05-102305	04-23-1993	Seto	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	20.	JP	05-243379	08-21-1993	Kubota	with Japanese Patent Office's English translation of Abstract; and with English.	✓

Examiner Signature	Date Considered
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Substitute for form 1449A-PTO				Application Number	10/060,187
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/31/2002
				First Named Inventor	Steven Teig et al.
				Group Art Unit	2825
				Examiner Name	Tat B.
Sheet	2	of	9	Attorney Docket Number	SPLX: P0133

U.S. PATENT APPLICATIONS					
13.	10/335,086	CDN.P0040	Steven Teig et al.	12-31-2002	

FOREIGN PATENT DOCUMENTS								
Examiner's Initials	Chp. No.	Office	Foreign Patent Document Number	Kind Code (if known)	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Claim Document	Pages, Columns, Lines, Whole Figures, Passages, or Referenced Figures Appearing	1*
	14.	JP	11-296560		10-29-1999	Matsumoto et al.	with English translation of Abstract.	
	15.	JP	2000-082743		03-21-2000	Igarashi et al.	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	16.	JP	04-15947		01-19-1986	Ouchi	with English translation of Abstract.	
	17.	JP	03-173471		07-26-1991	Tawada et al.	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	18.	JP	04-000677		01-06-1992	Fujiwara et al.	with English translation of Abstract.	
	19.	JP	05-102305		04-23-1993	Seto	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	20.	JP	05-243379		09-21-1993	Kubota	with Japanese Patent Office's English translation of Abstract; and with English	✓

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Substitute for form 1449A/PTO				Application Number	10/665,187
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/31/2002
				First Named Inventor	Steven Teig et al.
				Group Art Unit	2825
				Examiner Name	Tat. B.
Sheet	2	of	6	Attorney Docket Number	SPLX: F0133
U.S. PATENT APPLICATIONS					
13.	10/335,085	CDN: P0040	Steven Teig et al.	12/31-2002	

FOREIGN PATENT DOCUMENTS							
Examiner's Initials	Check No.	Foreign Patent Document Office	Number	Kind Code (if known)	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Used Document	Pages, Columns, Lines, Which Required Passages or Related Figures Appear
	14.	JP	11-298580		10-29-1999	Matsumoto et al.	with English translation of Abstract.
	15.	JP	2000-082743		03-21-2000	Igarashi et al.	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.
	16.	JP	04-15947		01-19-1989	Ouchi	with English translation of Abstract;
	17.	JP	03-173471		07-26-1991	Tawada et al.	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.
	18.	JP	04-000677		01-09-1992	Fujiyawa et al.	with English translation of Abstract;
	19.	JP	05-102305		04-23-1993	Sato	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.
	20.	JP	05-242379		08-21-1993	Kubota	with Japanese Patent Office's English translation of Abstract; and with English

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Substitute for form 1449/PTO: INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/066,187	
			Filing Date	1/31/2002	
			First Named Inventor	Steven Tadjer et al.	
			Group Art Unit	2625	
			Examiner Name	Tot. E.	
Sheet	3	of	9	Attorney/Agent Number	SPLX/P0133

FOREIGN PATENT DOCUMENTS

No.	Country	Patent No.	Pub. No.	Pub. Date	Inventor	Description	Check
21.	JP	07-086407	03-34-1905		Miura	translation of the application with Japanese Patent Office's English translation of Abstract and with English translation of the application.	<input checked="" type="checkbox"/>
22.	JP	09-152279	06-20-1897		Yoshida	with Japanese Patent Office's English translation of Abstract and with English translation of the application.	<input checked="" type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS

No.	Author	Title	Pub. No.	Pub. Date	Check
23.	Chen, H. et al.	A Better Algorithm for Rubber-Band Equivalent Transformation for Planar VLSI Layouts	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, Vol. 15, No. 2, February 1990, pp. 217-227.		<input type="checkbox"/>
24.		Chip Model with Wiring Cost Map	August 1993, IBM Technical Disclosure Bulletin, Vol. 36, Issue 8A, pp. 829-833		<input type="checkbox"/>
25.	Dayan, T. et al.	Layer Assignment for Pusher Band Routing	UCSC-CP-93-04, January 20, 1993.		<input type="checkbox"/>
26.	Dayan, T.	Rubber-Band Based Topological Router, A Dissertation	UC Santa Cruz, June 1997.		<input type="checkbox"/>
27.	Dodd, P. et al.	A Two-Dimensional Topological Compactor with Octagonal Geometry	28 th ACM/IEEE Design Automation Conference, pp. 727-731, July 1991.		<input type="checkbox"/>
28.	Fujimura, K. et al.	Homotopic Shape Deformation			<input type="checkbox"/>
29.	Hama, T. et al.	Curvilinear Detailed Routing Algorithm and its Extension to Wire Spreading and Wire Fattening			<input type="checkbox"/>

Examiner Signature	Date Considered
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Supplement to form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number 10/956,187
				Filing Date 1/31/2002
				First Named Inventor Steven Teig et al.
				Group A6 Unit 2825
				Examiner Name Tai, B.
				Attorney Docket Number SPLX.P0133
Sheet	4	of	9	
NON PATENT LITERATURE DOCUMENTS				
Patent Number	Class No.	Include reference to the author (in CAPITAL LETTERS), title of the article (when appropriate), item of the item (book, magazine, journal, serial, symposium, etc.), date, serial, volume, issue number (if applicable), city, state/country where published	Y*	
	30	Hama, T. et al., Topological Routing Path Search Algorithm with Incremental Routability Test, IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, vol. 19, No. 2, February 1998, pp. 142-150.		
	31	Kobayashi, K. et al., A New Interactive Analog Layout Methodology based on Rubber-Band Routing, UCSC-CRL-99-12, June 13, 1999.		
	32	Lim, A. et al., A Fast Algorithm to Test Planar Topological Routability, Technical Report 94-012, pp. 1-16.		
	33	Lu, Y., Dynamic Constrained Delaunay Triangulation and Application to Multichip Module Layout, A Thesis for Master of Science, UC Santa Cruz, December 1991.		
	34	Malay, P.M., Testing Homotopic Routability Under Polygonal Wiring Rules, Algorithmica, 1996, 15:1-16.		
	35	Morton, P. B. et al., An Efficient Sequential Quadratic Programming Formulation of Optimal Wire Spacing for Cross-Talk Noise Avoidance Routing, UCSC-CRL-99-05, March 10, 1999.		
	36	NN71591316, Use of Relatively Diagonal And Rectangular Wiring Ranges in Multilayer Packages, September 1971, IBM Technical Disclosure Bulletin, vol. No. 14, Issue No. 4, pp. 1316-1317.		
	37	Stapelberg, D. et al., Geometric Transformations for a Rubber-Band Sketch, A Thesis for a Master of Science in Computer Engineering, UCSC, September 1992.		
	38	Stapelberg, D. et al., Surf: A Rubber-Band Routing System for Multichip Modules, pp 18-26, 1993.		
	39	Su, J. et al., Post-Route Optimization for Improved Yield Using Rubber-Band Wiring Model, 1997 International Conference on Computer-Aided Design, pp 700-706, November 1997.		
	40	Wei-Ming Dai, W. et al., Routability of a Rubber-Band Sketch, 28th ACM/IEEE Design Automation Conference, 1991, pp. 45-55.		
	41	Xing, Z. et al., A Minimum Cost Path Search Algorithm Through Tile Obstacles, slide presentation.		
	42	Xing, Z. et al., Shortest Path Search Using Tiles and Piecewise Linear Cost Propagation, IEEE, 2002, pp. 145-158.		
	43	Xu, A More Efficient Distance Vector Routing Algorithm, UCSC-CRL-99-16, March 1997.		
	44	Yu, M.-P. et al., Fast and Incremental Routability Check of a Topological Routing Using a Cut-Based Encoding, UCSC-CRL-97-07, April 14, 1997.		
Examiner Signature		Date Considered		

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				Filing Date 1/31/2002
				First Named Inventor Steven Toig et al.
				Group Art Unit 2825
				Examiner Name Tak, B.
				Attorney Docket Number SPLX.P0133
Sheet	5	of	9	
NON PATENT LITERATURE DOCUMENTS				
45.	Yu, M.-F. et al., Interchangeable Pin Routing with Application to Package Layout, UCSC-CRL-95-10, April 25, 1995.			
46.	Yu, M.-F. et al., Pin Assignment and Routing on a Single-Layer Pin Grid Array, UCSC-CRL-95-15, February 24, 1995.			
47.	Yu, M.-F. et al., Planar Interchangeable 2-Terminal Routing, UCSC-CRL-95-49, October 10, 1995.			
48.	Yu, M.-F. et al., Single-Layer Fanout Routing and Routability Analysis for Ball Grid Arrays, UCSC-CRL-95-18, April 25, 1995.			
49.	Angeles, R. et al., Faster Algorithms for the Shortest Path Problem, Journal of the Association for Computing Machinery, Vol. 37, No. 2, April 1989, pp. 213-223.			
50.	Alexander, M. et al., Performance-Oriented Placement and Routing for field-programmable gate arrays, Proceedings of the European Design Automation Conference, pages 80-85, 1990.			
51.	Alexander, M. et al., Placement and Routing for Performance-Oriented FPGA Layout, VLSI Design, Vol. 7, No. 1, 1993.			
52.	Andou, H. et al., Automatic Routing Algorithm for VLSI, 22 nd Design Automation Conference, 1985, pp. 785-788.			
53.	Bagga, J. et al., Internal, External, and Mixed Visibility Edges of Polygons.			
54.	Barger, B. et al., Nearly Optimal Algorithms and Bounds for Multilayer Channel Routing, Journal of the Association for Computing Machinery, pp. 600-642, March 1995.			
55.	Brady, L. et al., Channel Routing on a 90° Grid, extended abstract, pp. 826-831.			
56.	Carothers, K., A Method of Measuring Net Routability for MCMT's General Area Routing Problems, 1959, pp. 100-102.			
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Submission for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number 10/068,137
			Filing Date 1/31/2002
			First Named Inventor Steven Teig et al.
			Group Art Unit 2825
			Examiner Name Tat, B.
Sheet 6 of 9			Attorney/Agent Number SPLX.P0153
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Substitute for form 1449A/PTO				Application Number	11/066,187
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	1/31/2002
				First Named Inventor	Steven Togni et al.
				Group And Unit	2825
				Examiner Name	Tal, B.
(use as many sheets as necessary)				Attorney Docket Number	SPLX.F01135
Sheet	7	of	9		

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Substitute for form 1449A/PTO			Application Number	100065,187	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Filing Date	1/31/2002	
			First Named Inventor	Steven Taig et al.	
			Group Art Unit	2825	
			Examiner Name	Tai, B.	
Sheet	8	of	9	Attorney Docket Number	SPLX.P0133
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/31/2002
				First Named Inventor	Steven Teig et al.
				Group Art Unit	2925
				Examiner Name	Tal, D.
Sheet	9	of	9	Attorney Docket Number	SPLX/P0433
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